

PRELIMINARY PROGRAM



Maryland
Orthopaedic
Association's

2010 Annual
Business and
Research
Meeting
April 24, 2010

*Open to all MOA Members,
Orthopaedic Surgeons,
Residents, Fellows and
Students*

69TH ANNUAL MEETING

University of Maryland
School of Medicine
Medical School Teaching Facility
685 W. Baltimore Street
Baltimore, MD 21201

GUEST SPEAKERS

Peter J. Mandell, MD
AAOS Council on Advocacy Chair
HEALTHCARE REFORM

Marcus F. Sciadini, MD
University of Maryland
TRAUMA UPDATE ON HAITI



SCIENTIFIC PROGRAM DETAILS

The Maryland Orthopaedic Association's Annual Meeting has been developed by the MOA Program Committee in conjunction with the American Academy of Orthopaedic Surgeons.

TARGET AUDIENCE

The 2010 MOA Annual Meeting is designed to meet the needs of Orthopaedic Surgeons and Orthopaedic Residents and Fellows. Information presented may also be of interest to physicians working in an orthopaedic setting.

CME CREDIT

This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the American Academy of Orthopaedic Surgeons and the Maryland Orthopaedic Association.

The American Academy of Orthopaedic Surgeons is accredited by the ACCME to sponsor continuing medical education for physicians.

The American Academy of Orthopaedic Surgeons designates this educational activity for a maximum of 4 *AMA PRA Category 1 Credits™*. Physicians should only claim credit commensurate with the extent of their participation in the activity.

PURPOSE

Exchange of scientific information is vital to continuing professional development; therefore the Program Committee of the MOA has selected key submitted scientific papers and invited nationally respected moderators and speakers to discuss the research findings. They will also comment on current issues facing the practicing orthopaedic surgeon.

OBJECTIVES

Educational objectives will be met through a general session offering guest presentations, panel discussions, and paper presentations of original research. Participation in the program will afford attendees the opportunity to:

- Assimilate innovations from clinical and bench research into application for orthopaedic practice.
- Learn of the inter-dependence of the missions of the AAOS and the Maryland Orthopaedic Association with respect to health care reform legislation currently under consideration.
- Understand the extent of advocacy efforts on behalf of practicing orthopaedic surgeons by the AAOS and MOA in Annapolis and Washington, DC.

DISCLAIMER

The products, procedures, and opinions presented at this meeting reflect the viewpoint or approach of the presenter only, and are not to be attributed to the Maryland Orthopaedic Association. The Maryland Orthopaedic Association presents such material for informational purposes only, and does not endorse any such product or the content of any such presentation.

FORMAT

The educational sessions will be held Saturday, April 24, from approximately 7:30 am until 12:00 pm at The University of Maryland School of Medicine in Baltimore, Maryland.

PHYSICIAN REGISTRATION FEE

Registration fee covers the Scientific Program, Meeting Syllabus, General Meeting Expenses and Continental Breakfast and Break.

MOA's 2010 ANNUAL MEETING

PRESIDENTIAL GUEST SPEAKER

Peter J. Mandell, MD



We are pleased to announce that Peter J. Mandell, MD will be the Presidential Guest Speaker. He is the 2010 AAOS Chair of the Council on Advocacy. Dr. Mandell has served as past president of the California Orthopaedic Association and currently chairs its Workers' Compensation Committee.

Dr. Mandell was born and raised on the San Francisco peninsula. He has practiced orthopaedic surgery there for over 33 years. He is currently assistant clinical professor of orthopaedic surgery at University of California, San Francisco. He graduated from Yale University, and attended medical school at the University of California, San Francisco. He completed a first year general surgery residency at Kaiser Foundation Hospital in Oakland, California and the remainder of his orthopaedic surgery residency at the San Francisco Orthopaedic Residency Training Program. He has continuing interests in orthopaedic advocacy, professionalism, and occupational orthopaedics.

An active member of the Academy, Dr. Mandell was also a founding member and inaugural chair of the AAOS Committee on Professionalism. He served as Chair of the Board of Councilors, and was a member of the AAOS Political Action Committee and the Council on Health Policy and Practice.

Dr. Mandell has moderated AAOS Annual Meeting Instructional Course Lectures on occupational orthopaedics and professionalism, and has contributed to AAOS publications such as OKU 9. Dr. Mandell also helped organize the AAOS webinar "*Telling the Whole Truth: Orthopaedists as Expert Witnesses.*"

PROGRAM COMMITTEE

A sincere thank you to this year's Program Committee for developing an outstanding scientific program. Your hard work and dedication are appreciated.

Daniel E. Gelb, MD – Program Chair

Harpal S. Khanuja, MD

Steven C. Ludwig, MD

Amir R. Moinfar, MD

Anand M. Murthi, MD

Terrence M. O'Donovan, MD

Vincent D. Pellegrini Jr., MD

MARYLAND ORTHOPAEDIC ASSOCIATION

69TH ANNUAL MEETING SATURDAY, APRIL 24, 2010

7:00-7:25 am **Continental Breakfast - Visit with Sponsors/Exhibitors**

7:25-7:29 am **Welcome**

Daniel E. Gelb, MD – Program Chair

Session I – Basic Science

Moderators: **Albert J. Aboulafla, MD and Vincent D. Pellegrini Jr., MD**

7:30-7:35 am A Small Animal Model Demonstrating Both Primary and Secondary Bone Healing: A Novel Bilateral Femoral Fracture Model in Sprague-Dawley Rats
Sophia Leung, MD, University of Maryland, Baltimore, MD

7:36-7:41 am Identification of Shoulder Osteoarthritis Biomarkers: A Comparison Between Those With and Without Osteoarthritis
Danielle Casagrande, MD, University of Maryland, Baltimore, MD

7:42-7:47 am Does Supplemental Perioperative Oxygen Decrease Surgical Site Infection in At-Risk Fractures? Results of a Double Blind Randomized Controlled Trial
Alec C. Stall, MD, MPH, University of Maryland, Baltimore, MD

7:48-7:53 am Dexamethasone Treatment of Adipocytes Derived from a Mesenchymal Stem Cell Line Alters Expression of Several Key Adipokines in a Model of Glucocorticoid Induced Osteonecrosis and Osteoporosis
James C. Johnston, MD, Johns Hopkins University, Baltimore, MD

7:54-7:59 am Does Heparan Sulfate Treatment Stimulate Endogenous BMP Activity During Distraction Osteogenesis?
Marie Gdalevitch, MDCM, Shriners Hospital, Montreal, QC, Canada

7:59-8:05 am Discussion

Session II – Clinical Research

Moderators: **Greg M. Osgood, MD and John E. Herzenberg, MD**

8:06-8:11 am Determinants of Failure in Posterior Wall Acetabular Fractures
Swapnil B. Shah, MD, University of Maryland, Baltimore, MD

8:12-8:17 am First Metatarsal Hypermobility Associated with Transfer Metatarsalgia
Daniel E. Prince, MD, MPH, Columbia University/New York Presbyterian Hospital, New York, NY

8:18-8:23 am Vertebral Column Resection in Children with Neuromuscular Spine Deformity
Amit Jain, Johns Hopkins University, Baltimore, MD

8:24-8:29 am Is Time to Flap Coverage an Independent Predictor of Flap Complication?
Jean-Claude G. D'Alleyrand, MD, University of Maryland, Baltimore, MD

8:30-8:35 am High Energy Trauma and Clavicle Fractures: A Marker for Death in the Elderly?
Julie M. Keller, MD, University of Maryland, Baltimore, MD

8:35-8:41 am Discussion

Session III – Basic Science

Moderators: **Daniel C. Farber, MD and Kristy L. Weber, MD**

8:42-8:47 am Are Two Plates Necessary for Fractures of the Distal Humerus?
Jeffrey Watson, MD, University of Maryland, Baltimore, MD

- 8:48-8:53 am A Biomechanical Comparison of Lateral Malleolar Fixation Constructs in an Osteoporotic Model
Frances D. Faro, MD, Union Memorial Hospital, Baltimore, MD
- 8:54-8:59 am Healing of Rotator Cuff Tendons in a Rat Model Utilizing Botulinum Toxin A and Immobilization
Mohit Gilotra, MD, University of Maryland, Baltimore, MD
- 9:00-9:05 am The Effect of Pedicle Screw Countersinking on Pull-Out Resistance in the Thoracic Spine
Haines Paik, MD, Walter Reed Army Medical Center, Washington, DC
- 9:06-9:11 am Reduction of Anterior Glenohumeral Translation Utilizing Suture Capsulorrhaphy versus Suture Anchor Capsulorrhaphy
Robert C. Gillis, MD, PhD, University of Maryland, Baltimore, MD
- 9:11-9:17 am Discussion
- 9:17-9:47 am **Break**
- 9:47-10:02 am **Legislative Update**
J. William Pitcher
MOA Legislative Consultant
- 10:03-10:48 am **Presidential Guest Speaker**
Healthcare Reform – The Orthopaedic Perspective and Other Recent Advocacy Issues
Peter J. Mandell, MD, University of California, San Francisco, CA
AAOS Council on Advocacy Chair
- 10:49-11:17 am **Trauma Update on Haiti**
Marcus J. Sciadini, MD, University of Maryland, Baltimore, MD

Session IV – Clinical Research

Moderators: [James C. Dreese, MD](#) and [Robert S. Sterling, MD](#)

- 11:18-11:23 am Do Traction Views of Distal Radius Fractures Influence Fracture Characterization and Treatment?
Elan Goldwyn, MD, University of Maryland, Baltimore, MD
- 11:24-11:29 am Pre-admission Skin Preparation Protocol in Patients Undergoing Elective Hip and Knee Arthroplasty
Michael G. Zywiell, MD, Sinai Hospital, Baltimore, MD
- 11:30-11:35 am Total Knee Arthroplasty in the Morbidly Obese Patient
Ashvin K. Dewan, MD, Baylor College, Houston, TX
- 11:36-11:41 am Prophylactic Oral Antibiotics Reduce Reinfection Rates Following Two-stage Revision Total Knee Arthroplasty
Aaron J. Johnson, MD, Sinai Hospital, Baltimore, MD
- 11:42-11:47 am Excellent Results of Hip Resurfacing in Patients with Osteonecrosis Who Are 25 Years of Age and Under
Siraj A. Sayeed, MD, Sinai Hospital, Baltimore, MD
- 11:48-11:54 am Discussion
- 11:55-12:00 pm **President's Report**
Kristy L. Weber, MD, Johns Hopkins University, Baltimore, MD
- 12:00-12:05 pm **Awards Presentation and Adjournment**
Daniel E. Gelb, MD, University of Maryland, Baltimore, MD

*Institute by abstract presenters' name is where the research took place.

2010 MOA ANNUAL MEETING REGISTRATION

University of Maryland School of Medicine • Medical School Teaching Facility

685 W. Baltimore St. • Baltimore, MD 21201

April 24, 2010 • 7:00 am - 12:00 pm

MAIL: Maryland Orthopaedic Association, 110 West Road, Suite 227, Towson, MD 21204

PHONE: 877-337-1200 or 410-847-9300

FAX: 410-494-0515

ONLINE: www.mdortho.org

NAME _____ DEGREE _____

ADDRESS _____

CITY _____ STATE _____ ZIP _____

OFFICE PHONE _____ FAX _____

EMAIL _____

DATE OF BIRTH _____ GENDER _____ SPECIALTY _____

REGISTRATION FEES

(Registration Fee includes Scientific Session, Continental Breakfast, and Coffee Breaks)

STATUS	FEE
MOA Member	No Charge
Resident/Fellow	No Charge
Student	No Charge
Non-Member	\$100

TOTAL DUE:

\$ _____

Enclosed is a check for \$ _____ (payable to Maryland Orthopaedic Association)

Please charge my credit card: Visa MasterCard American Express

Card # _____ Exp Date _____

Signature _____

Cancellation Policy: Full refund (less \$35 administrative fee) will be granted if a cancellation is made prior to 10 business days before the meeting date; a 50% refund if canceled between 5 and 10 business days before the meeting date. No refund will be granted within 5 business days of the meeting date.



Maryland
Orthopaedic
Association

110 West Road, Suite 227
Towson, MD 21204

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FUTURE MEETINGS

Abrams Memorial Lecture – October 2010

Kernan Hospital, 2200 Kernan Drive, Baltimore, MD

Gellman Memorial Lecture – November 2010

Sinai Hospital, Zamoiski Auditorium, 2401 W. Belvedere Avenue, Baltimore, MD

Robinson Memorial Lecture – January 2011

Johns Hopkins Hospital, 601 N. Caroline Street, Baltimore, MD

70th Annual Meeting – April 2011